

# King County DNRP Water Quality Index

STATION **A631** WATER YEAR **2018**

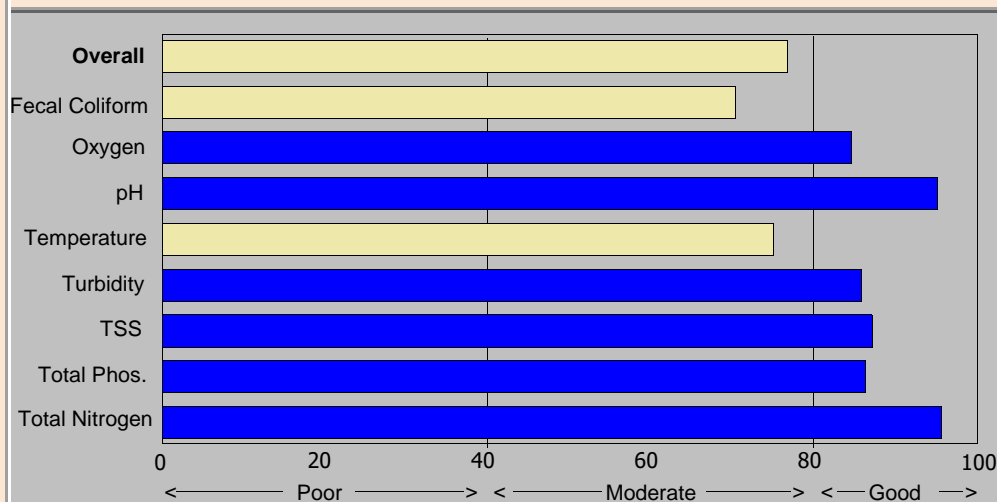
**GAUGE # 25B Issaquah Creek above Hatchery**

**Overall Index 77**

Issaquah Creek has been monitored for water quality at three sites. Station A631 is located on the mainstem upstream of the state fish hatchery, upstream from the bridge on W Underwood Blvd. Sampling began 1972 and was discontinued in 2008 when budget cutbacks reduced the breadth of King County's water quality monitoring program. Sampling resumed in 2013. Issaquah Creek originates along the slopes of Cougar, Squak, Tiger, and Taylor mountains and covers 39,000 acres before draining into Lake Sammamish. Issaquah Creek has been identified as a Regionally Significant Resource Area because of its exceptional fisheries habitat, though the expected population growth within the basin (18% by 2020) could threaten this status. Issaquah Creek is currently listed on the Washington Department of Ecology's 303(d) list, Category 5, for violation of dissolved oxygen and temperature standards, and Category 4a for fecal coliform bacteria.

## Annual Water Quality Index Scores

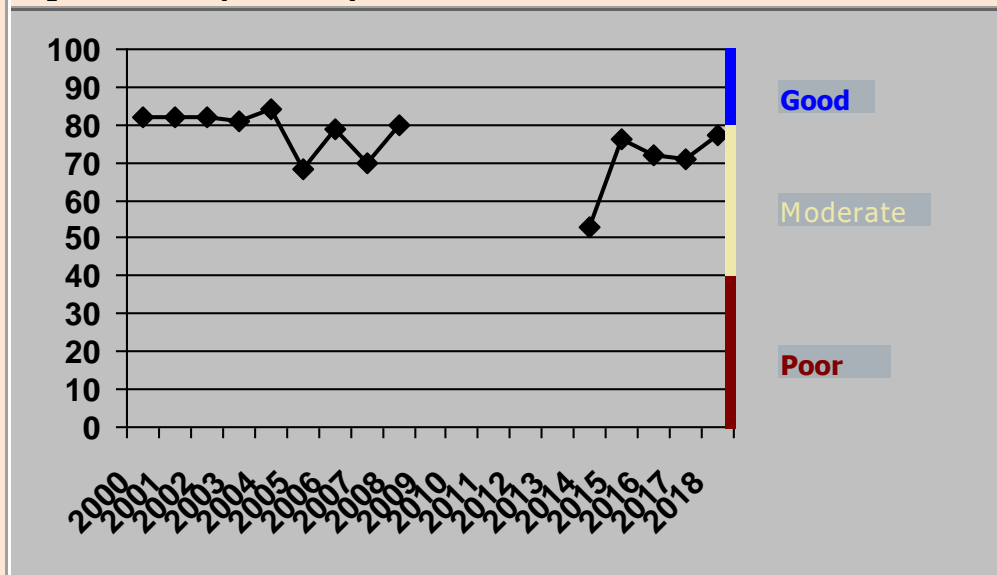
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



## Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
95	93	99	93	98	99	93	85	94	86	89	59

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>